

Application of Methods of the Theory of Recognition  
of Patterns for Establishment of a Connection Between  
the Amino Acid Sequence of Proteins and Their Con-  
formation, by D. A. Denisov.

RUSSIAN, per, Dok Ak Nauk SSSR, Biochem, Vol 195,  
No 4, 1971, pp 972-974.

CB

Sept 71

Concentration of Free Radicals in Shoots of Varieties  
of Potatoes Differing in Their Resistance of Potato  
Wart, by D. V. Lipsits.

RUSSIAN, per, Dok Ak Nauk SSSR, Biochem, Vol 196,  
No 4, 1971, pp 975-976.

CB

Sept 71

Physicochemical Properties of Lipids in Chemically  
Induced Carcinogenesis, by R. F. Polishchuk.  
RUSSIAN, per, Dok Ak Nauk SSSR, Biochem, Vol 196,  
No 4, 1971, pp 977-979.  
CB

Sept 71

Effect of Water On the Oxidizing and Reducing  
Properties of Chlorophyll and its Analogs,  
by I. Yu. Artankina.  
RUSSIAN, per, Dok Ak Nauk SSSR, Bot Sci., Vol 196,  
No 4, Feb 1971, pp 980-983.  
CB

Jan 72

The Role of the Pallidum and Hippocampus in  
Formation of the Functional System of Motor  
Behavior, by L. S. Gamberyan.

RUSSIAN, per, Dok Ak Nauk SSSR, Biol. Sci.,  
Vol 196, No 4, Feb 1971, pp 904-906.

GB

Sept 71

State of Inhibitory Processes in the Spinal  
Cord During Thyrotoxicosis, by L. M. Gal'ber.  
RUSSIAN, par, Dok Ak Nauk SSSR, Biol. Sci.,  
Vol 196, No 4, Feb 1971, pp 987-989.  
GB

Sept 71

Corticofugal Control of the Neuronal Activity  
of the External Geniculate Body, by

N. A. Lazareva.

RUSSIAN, par, Dok Ak Nauk SSSR, Biol. Sci.

Vol 196, No 4, Feb 1971, pp 990-992.

CB

Sept 71

The Algorithmic Unsolvability of the Problem of Finding the Asymptotic Behavior of the Shannon Function in the Realization of Boundedly Deterministic Operators Using Networks in an Arbitrary Basis, by V. A. Orlov.

RUSSIAN, per, Dok Ak Nauk SSSR, Sov Phys, Vol 196, No 5, Feb 1971, pp 1036-1039.

Am Inst of Phys

Vol 16, No 2, Aug 1971

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Sept 71

An Oscillation Theorem in the Theory of Vibrations  
of Thin Shells of Revolution, by A. G. Aalanyan,  
RUSSIAN, per, Dok Ak Nauk SSSR, Sov Phys, Vol 196,  
No 5, Feb 1971, pp 1040-1042.  
Am Inst of Phys  
Vol 16, No 2, Aug 1971

Sept 71

Conservation of a Generalized Circulation of  
Velocity in Stationary Flows of an Ideal Gas, by  
A. I. Golubinski.  
RUSSIAN, per, Dok Ak Nauk SSSR, Sov Phys, Vol 196,  
No 5, Feb 1971, pp 1043-1045.  
An Inst of Phys  
Vol 16, No 2, Aug 1971

Sept 71

Spectral Density of Fluctuations of Friction in  
a Turbulent Wall Flow, by S. S. Kutateladze.  
RUSSIAN, per, Dok Ak Nauk SSSR, Sov Phys, Vol 196,  
No 5, Feb 1971, pp 1046-1048.  
Am Inst of Phys  
Vol 16, No 2, Aug 1971

Sept 71

Stability of Plane-Parallel Couette Flow, by  
V. A. Romanov,  
RUSSIAN, per, Dok Ak Nauk SSSR, Soy Phys, Vol 196,  
No 5, Feb 1971, pp 1049-1051.  
Am Inst of Phys  
Vol 16, No 2, Aug 1971

Sept 71

Dispersions of Elastic Structural Strains of  
Polycrystalline Metals of the First Group of the  
Periodic System of Elements, by A. A. Vainshtein.  
RUSSIAN, per, Dok Ak Nauk SSSR, Sov Phys, Vol 196,  
No 5, Feb 1971, pp 1052-1053.  
Am Inst of Phys  
Vol 16, No 2, Aug 1971

Sept 71

Structure of the Compound AuAl in the Form of a  
Thin Film, by G. K. Abramyan.  
RUSSIAN, per, Dok Ak Nauk SSSR, Sov Phys, Vol 196,  
No 5, Feb 1971, pp 1054-1055.  
Am Inst of Phys  
Vol 16, No 2, Aug 1971

Sept 71

The Spiral Growth of Diamond Under Metastable  
Conditions, by A. V. Bochko.  
RUSSIAN, per, Dok Ak Nauk SSSR, Sov Phys, Vol 196,  
No 5, Feb 1971, pp 1056.  
Am Inst of Phys  
Vol 16, No 2, Aug 1971

Sept 71

Distribution of Normal Pressure in an Apparatus  
of the Bridgman Anvil Type - A Study Based on the  
Measurement of Shear Stress, by Academician L. F.  
Vereshchagin,  
RUSSIAN, per, Dok Ak Nauk SSSR, Soy Phys, Vol 196,  
No 5, Feb 1971, pp 1057-1060.  
Am Inst of Phys  
Vol 16, No 2, Aug 1971

Sept 71

New Phenomenon in Invar Iron - Nickel Alloy in  
the Low-Temperature Range, by A. I. Zakharov.  
RUSSIAN, per, Dok Ak Nauk SSSR, Sov Phys, Vol 196,  
No 5, Feb 1971, pp 1061-1062.  
Am Inst of Phys  
Vol 15, No 2 Aug 1971

Sept 71

Critical Magnetic Fields of the Superconducting  
Amorphous Forms of Beryllium and Bismuth, by  
Academician B. G. Lazarev.  
RUSSIAN, per, Dok Ak Nauk SSSR, Sov Phys, Vol 196,  
No 5, Feb 1971, pp 1063-1064.  
Am Inst of Phys  
Vol 16, No 2, Aug 1971

Sept 71

Width of the Spectral Line of a System of  $N$  Mutually  
Synchronized Self-Excited Oscillators, by A. N.  
Malakhov.

RUSSIAN, per, Dok Ak Nauk SSSR, Sov Phys, Vol 196,  
No 5, Feb 1971, pp 1065-1068.

Am Inst of Phys

Vol 16, No 2, Aug 1971

Sept 71

Surface Boiling of a Liquid, by A. M. Trokhan.  
RUSSIAN, per, Dok Ak Nauk SSSR, Sov Phys. Vol 196,  
No 5, Feb 1971, pp 1069-1071.  
Am Inst of Phys  
Vol 16, No 2, Aug 1971

Sept 71

Synthesis of Projecting Functions, by B. K. Vainshtein.  
RUSSIAN, per, Dok Ak Nauk SSSR, Sov Phys, Vol 196,  
No 5, Feb 1971, pp 1072-1075.  
Am Inst of Phys  
Vol 16, No 2, Aug 1971

Sept 71

Crystal Structure of  $\text{Na}_2\sqrt{3}\text{Sc}(\text{CO}_3)_4 \cdot 7 \cdot 2 \text{H}_2\text{O}$ , by

T. A. Zhdanova.

RUSSIAN, per, Dok Ak Nauk SSSR, Sov Phys, Vol 196,  
No 5, Feb 1971, pp 1076-1079.

Am Inst of Phys

Vol 16, No 2, Aug 1971

Sept 71

Solution of the Fundamental Set: From a Vector Set  
Containing Multiple Peaks (General Case, Fedorov  
Group P1), by E. A. Kuz'min.  
RUSSIAN, per, Dok Ak Nauk SSSR, Sov Phys, Vol 196,  
No 5, Feb 1971, pp 1080-1083.  
Am Inst of Phys  
Vol 16, No 2, Aug 1971

Sept 71

Study of the Spin Isomer of Iron(III) Complexes  
With Thiosemicarbazones of o-Oxybenzaldehydes by the  
Method of Gamma-Resonance Spectroscopy, by

A. B. Ablov.

RUSSIAN, per, Dok Ak Nauk SSSR, Phys Chem., Vol 196,  
No 5, 1971, pp 1101-1104.

CB

Nov 71

Properties of Films of Polydimethylsiloxane on the  
Surface of Water, by V. V. Arslanov.  
RUSSIAN, per, Dok Ak Nauk SSSR, Phys Chem., Vol 196,  
No 5, 1971, pp 1105-1107.  
CB

Nov 71

Block Copolymerization of Isoprene With the Decomposition  
Products of Dinitrosodiacetylbenzidine, by A. A. Berlin.  
RUSSIAN, per, Dok Ak Nauk SSSR, Phys Chem., Vol 196,  
No 5, 1971, pp 1108-1110.  
GB

Nov 71

Thermodynamic Bases of the Regulation of the  
Structures of Polymers During Their Formation, by  
Al. Al. Berlin.  
RUSSIAN, per, Dok Ak Nauk SSSR, Phys Chem., Vol 196,  
No 5, 1971, pp 1111-1113.  
CB

Nov 71

Investigation of the Birefringence of Oriented  
Polymers, by I. E. Goncharova.  
RUSSIAN, per, Dok Ak Nauk SSSR, Phys Chem., Vol 196,  
No 5, 1971, pp 1114-1116.  
CB

Nov 71

Photolysis of Frozen Solutions of Hydrogen Peroxide  
in Isopropyl Alcohol at 77°K, by V. S. Gurman.  
RUSSIAN, per, Dok Ak Nauk SSSR, Phys Chem., Vol 196,  
No 5, 1971, pp 1117-1120.  
CB

Nov 71

Kinetic Relationships and Mechanisms of the High-  
Temperature Oxidation of Polyethylene, by  
V. V. Edenskaya.  
RUSSIAN, per, Dok Ak Nauk SSSR, Phys Chem., Vol 196,  
No 5, 1971, pp 1121-1124.

CB

Nov 71

Mechanism of the Initiating Action of Organic Bromides  
in the Oxidation of Methylbenzenes Catalyzed by  
Cobalt Salts, by I. V. Zakharov.

RUSSIAN, per, Dok Ak Nauk SSSR, Phys Chem., Vol 196,,  
No 5, 1971, pp 1125-1128.

CB

Nov 71

Rate of Solution of Naphthalene in Carbon Dioxide  
Near the Critical Point, by I. R. Krichevskii.  
RUSSIAN, per, Dok Ak Nauk SSSR, Phys Chem., Vol 196,  
No 5, 1971, pp 1129-1132.  
CB

Nov 71

Physicochemical Mechanics of Organic Dispersions of  
Hydrated Silica, by N. N. Kruglitskii,  
RUSSIAN, per, Dok Ak Nauk SSSR, Phys Chem., Vol 196,  
No 5, 1971, pp 1133-1136.  
CB

Nov 71

Possibility of Calculating the Tensor of the Molecular  
Polarizability and the Magnetic Susceptibility from  
the Bonds, by Kuak Dang Cheu.

RUSSIAN, per, Dok Ak Nauk SSSR, Phys Chem., Vol 196,  
No 5, 1971, pp 1137-1140.

CB

Nov 71

Differential Heats of Hydrogen Adsorption on the  
Surface of Nickelous Oxide and Kinetics of the  
Process, by V. E. Ostrovskii.  
RUSSIAN, per, Dok Ak Nauk SSSR, Phys Chem., Vol 196,  
No 5, 1971, pp 1141-1144.  
CB

Nov 71

Use of Experimental Planning to Study Superconductor  
Systems, by E. M. Savitskii.  
RUSSIAN, per, Dok Ak Nauk SSSR, Phys Chem., Vol. 196,  
No 5, 1971, pp 1145-1148.  
CB

Nov 71

Structure of Polynuclear Non-Heme Centers of Iron-Containing Proteins, by E. N. Frolov.

RUSSIAN, per, Dok Ak Nauk SSSR, Phys Chem., Vol. 196, No 5, 1971, pp 1149-1152.

CB

Nov 71

Range in Which the Atomization Energies of Simple  
Molecules are Approximately Additive, by O. P. Charkin.  
RUSSIAN, per, Dok Ak Nauk SSSR, Phys Chem., Vol. 196,  
No 5, 1971, pp 1153-1155.  
CB

Nov 71

Kinetics of Silica Gasification Under Various  
Conditions, by G. G. Papin.  
RUSSIAN, per, Dok Ak Nauk SSSR, Chem Tech., Vol 196,  
No 5, Feb 1971, pp 1156-1158.  
CB

Jan 72

Loess Stratigraphy of the Dagestan  
Piedmont Plain, by V. P. Anan'yev.  
RUSSIAN, per, Dok Ak Nauk SSSR, Ear Sci.,  
Vbl 196, No 5, 1971, pp 1159-1162.  
AGI

Feb 72

New Data on the Age of Epithermal  
Fluorite Deposits in Western  
Transbaikal, by K. B. Bulnayev.  
RUSSIAN, per, Dok Ak Nauk SSSR, Earth Sci.,  
Vol 196, No 5, 1971, pp 1163-1166.  
AGI

Feb 72

Tertiary stratigraphy of the Lagernyy  
Sad Exposure at the City of Tomsk, by  
M. G. Gorbunov.

RUSSIAN, per, Dok Ak Nauk SSSR, Ser Sci.,  
Vol 196, No 5, 1971, pp 1167-1170.

AGI

Feb 72

Vegetation of Mid-Pleistocene Inter-  
glacial Age of Southwestern Kamchatka,  
by G. D. Davidovich.

RUSSIAN, per, Dok Ak Nauk SSSR, Ear Sci.,  
Vol 196, No 5, 1971, pp 1171-1173.

AGI

Feb 72

Plutonic Rock Associations of Proto-  
platforms as Illustrated by the Kodar-  
Udokan Zone, by V. T. Sviridenko.  
RUSSIAN, per, Dok Ak Nauk SSSR, Ear Sci.,  
Vol 196, No 5, 1971, pp 1174-1177.  
AGI

Feb 72

New Data on the Classification of  
Precambrian Granitoids of the Southern  
Ulutau, Central Kazakhstan, by  
I. Z. Filippovich.  
RUSSIAN, per, Dok Ak Nauk SSSR, Ear Sci.,  
Vol 196, No 5, pp 1178-1181.  
AGI

Feb 72

Hydrothermal Synthesis of Pentlandite,  
by M. N. Godlevskiy.  
RUSSIAN, per, Dok Ak Nauk SSSR, Ear Sci.,  
Vol 196, No 5, 1971, pp 1182-1185.  
AGI

Feb 72

Granitized schist series and the behavior of some elements during granitization in the Vitim-Kalar District, Eastern Transbaikal, by I. S. Sedova. RUSSIAN, per, Dok Ak Nauk SSSR, Earth Sci., Vol 196, No 5, 1971, pp 1186-1188.  
AGI

Feb 72

Fractionation of sulfur Isotopes in  
sulfide Ores, by N. S. Skripchenko.  
RUSSIAN, per, Dok Ak Nauk SSSR, Ear sci.,  
Vol 196, No 5, 1971, pp 1189-1192.  
AGI

Feb 72

The Plagioclase-Muscovite Geother-  
mometer, by A. S. Talantsev.  
RUSSIAN, per, Dok Ak Nauk SSSR, Ear Sci.,  
Vol 196, No 5, 1971, pp 1193-1195.  
AGI

Feb 72

Relationship Between the Degree of  
Autometamorphic Serpentinization,  
The Partition of Iron Between Brucite  
and - Chrysotile and the Size of  
Olivine Grains in Ultramafic Rocks,  
by D. S. Shternberg.  
RUSSIAN, per, Dok Ak Nauk SSSR, Ear Sci.,  
Vol 196, No 5, 1971, pp 1196-1199.  
AGI

Feb 72

Relief and Grain-Size Distribution of  
Loess and Loess-Type Rocks at the  
Southwestern Margin of the Russian  
Platform, by A. B. Bogutskiy.  
RUSSIAN, per, Dok Ak Nauk SSSR, Far Sci.,  
Vol 196, No 5, 1971, pp 1200-1202.  
AGI

Feb 72

A New Method of Separating Elements  
From Minerals for Isotope Analysis,  
by Yu. A. Borshchevskiy.  
RUSSIAN, per, Dok Ak Nauk SSSR, Eng Sci.,  
Vol 196, No 5, 1971, pp 1203-1205.  
AGI

Feb 72

Certain Peculiarities of the Nucleus and Hybrid  
Onion Nucleolus in Cells, by V. G. Shakhbazov.  
RUSSIAN, per, Dok Ak Nauk SSSR, Bot Sci., Vol 196,  
No 5, Feb 1971, pp 1207-1208.  
CB

Jan 72

Principles of Morphogenesis in a Culture of Mi-  
ploids and Polyploid Tobacco Tissues, by  
N. A. Zaporozka,  
RUSSIAN, per, Dok Ak Nauk SSSR, Biol. Sci.,  
Vol. 196, No 5, Feb 1971, pp 1209-1212.  
CB

Sept 71

Supplementary Chromosomes in *Gymnosperma* (In  
Picea Obovata LIB. As An Example), by  
M. V. Kravlis.  
RUSSIAN, per, Dok Ak Nauk SSSR, Biol. Sci.,  
Vol 196, No 5, Feb 1971, pp 1213-1216.  
CB

Sept 71

Puffs Induced By Thiocyanate and a Puff Model  
For Determining Drug-Affected Enzymes, by  
N. N. Sakharova.  
RUSSIAN, par, Dok Ak Nauk SSSR, Biol. Sci.,  
Vol 196, No 5, Feb 1971, pp 1217-1220.  
CB

Sept 71

Role of Carotenoids in Intracellular Deposition of  
Oxygen, by V. N. Karnaukhov.  
RUSSIAN, per, Dok Ak Nauk SSSR, Biophys., Vol 196,  
No 5, Feb 1971, pp 1221-1224.  
CB

Jan 72

Realization of the Glyoxylate Cycle in Animal Cell  
Mitochondria, by M. N. Kondrasheva.

RUSSIAN, per, Dok Ak Nauk SSSR, Biochem, Vol 196,  
No 5, 1971, pp 1225-1227.

CB

Sept 71

Breakdown of Nuclear RNA in the Spleen in the  
Inductive Phase of Immunogenesis, by B. D. Stanchev.  
RUSSIAN, per, Dok Ak Nauk SSSR, Biochem, Vol 196,  
No 5, 1970, pp 1228-1230.  
CB

Sept 71

Ultrastructure of Rice Coleoptile Cells Under  
Aerobic and Anaerobic Conditions, by  
B. B. Vartapetyan.  
RUSSIAN, per, Dok Ak Nauk SSSR, Bot Sci., Vol. 196,  
No 5, Jan 1971, pp 1231-1233.  
CB

Jan 72

Influence of Vernalization on the Conversion  
of Sucrose, by V. A. Zenchenko,  
RUSSIAN, per, Dok Ak Nauk SSSR, Bot Sci., Vol. 196,  
No 5, Feb 1971, pp 1234-1237.  
CB

Jan 72

Changes in the Position of the Isoelectric Point  
of the Cytoplasm, Nucleus, and Nucleolus in  
Cells of Dormant and Vegetating Growth Cones,  
by L. P. Chel'tsova.  
RUSSIAN, per, Dok Ak Nauk SSSR, Bot Sci., Vol 196,  
No 5, Feb 1971, pp 1238-1240.  
CB

Jan 72

The Biochemical Mechanism of Insect Resistance  
to DDT At High Temperatures, by K. A. Gur.  
RUSSIAN, per, Dok Ak Nauk SSSR, Biol. Sci.,  
Vol 196, No 5, Feb 1971, pp 1211-1214.  
CB

Sept 71

Membrane Potential of Cultured Nerve Cells  
by N. A. Skirnova.

RUSSIAN, per, Dok Ak Nauk SSSR, Biol. Sci.,  
Vol 196, No 5, Feb 1971, pp 1245-1248.

CB

Sept 71

A Certain Generalization of Threshold Functions,  
by N. N. Aizenberg, 6 pp  
RUSSIAN, per, Dok Ak Nauk SSSR, Sov Phys, Vol 196  
No 6, Feb 1971, pp 1287-1290.  
Am Inst of Phys  
Vol 16, No 2, Aug 1971

JPRS 52974

Sept 71

Instability of Weak Ionized D-Type Waves, by  
K. V. Krasnobaev,  
RUSSIAN, per, Dok Ak Nauk SSSR, Sov Phys, Vol 196,  
No 6, Feb 1971, pp 1291-1293.  
Am Inst of Phys  
Vol 16, No 2, Aug 1971

Sept 71

Preliminary Geological-Morphological Analysis of  
the "Luna-17" Landing Area, by K. P. Florenskii,  
RUSSIAN, per, Dok Ak Nauk SSSR, Sov Phys, Vol 196,  
No 6, Feb 1971, pp 1294-1297.  
Am Inst of Phys  
Vol 16, No 2, Aug 1971

Sept 71

Unusual Character of the Change in Conductivity  
With Film Thickness in Cadmium Telluride Films  
Deposited on Quartz Substrates, by Academician M.  
I. Korsunskii.  
RUSSIAN, per, Dok Ak Nauk SSSR, Sov Phys, Vol 196,  
No 6, Feb 1971, pp 1298-1299.  
Am Inst of Phys  
Vol 16, No 2, Aug 1971

Sept 71

Study of the Interaction Between Ions and Crystals,  
by N. A. Kumakhov.  
RUSSIAN, per, Dok Ak Nauk SSSR, Sov Phys, Vol 196,  
No 6, Feb 1971, pp 1300-1302.  
Am Inst of Phys  
Vol 16, No 2, Aug 1971

Sept 71

Atomic Hydrogen and Nitrogen and Water Vapor in the  
Lower Thermosphere of Middle Latitudes During the  
Maximum of Solar Activity, by G. N. Martynkevich.  
RUSSIAN, per, Dok Ak Nauk SSSR, Sov Phys, Vol 196,  
No 6, Feb 1971, pp 1303-1306.  
Am Inst of Phys  
Vol 16, No 2, Aug 1971

Sept 71

Universal Relation Between the Emission and Absorption  
Probabilities for Quasiequilibrium, by V. S. Mashkevich.  
RUSSIAN, per, Dok Ak Nauk SSSR, Sov Phys, Vol 196,  
No 6, Feb 1971, pp 1307-1309.  
Am Inst of Phys  
Vol 16, No 2, Aug 1971

Sept 71

Use of Microscopes for Luminescence Studies, by  
Ya. S. Polyakov.  
RUSSIAN, per, Dok Ak Nauk SSSR, Sov Phys, Vol 196,  
No 6, Feb 1971, pp 1310-1312.,  
Am Inst of Phys  
Vol 16, No 2, Aug 1971

Sept 71

Electron-Induced Retardation of Dislocations in  
Superconductors of the Second Kind, by V. V.  
Pustovalov.

RUSSIAN, per, Dok Ak Nauk SSSR, Sov Phys, Vol 196,  
No 6, Feb 1971, pp 1313-1315.

Am Inst of Phys

Vol 16, No 2, Aug 1971

Sept 71

Solution of the Coagulation Equations in the Case  
of a Bilinear Coefficient of Adhesion of Particles,  
by B. A. Trubnikov.

RUSSIAN, per, Dok Ak Nauk SSSR, Soy Phys, Vol 196,  
No 6, Feb 1971, pp 1316-1319.

Am Inst of Phys

Vol 16, No 2, Aug 1971

Sept 71

Precision Determination of the Density of Natural  
Diamonds After Their Irradiation by Slow Neutrons,  
by B. V. Deryagin.

RUSSIAN, per, Dok Ak Nauk SSSR, Sov Phys, Vol 196,  
No 6, Feb 1971, pp 1320-1323.

Am Inst of Phys

Vol 16, No 2, Aug 1971

Sept 71

Effect of the "Plasticizing" Action of the Matrix  
on Fiber During Deformation of Compositional Materials,  
by V. S. Ivanova.  
RUSSIAN, per, Dok Ak Nauk SSSR, Sov Phys, Vol 196,  
No 6, Feb 1971, pp 1324-1325.  
Am Inst of Phys  
Vol 16, No 2, Aug 1971

Sept 71

Characteristics of the Fine Structure of Crystalline  
Polymers, by B. S. Kasatkin,  
RUSSIAN, per, Dok Ak Nauk SSSR, Sov Phys, Vol 196,  
No 6, Feb 1971, pp 1326-1328.  
Am Inst of Phys  
Vol 16, No 2 Aug 1971

Sept 71

Peculiarities in the Behavior of the Critical  
Temperature of the Superconducting Transition  
of Lead with a Distorted Crystal Lattice, by  
Academician B. G. Lazarev.  
RUSSIAN, per, Dok Ak Nauk SSSR, Sov Phys, Vol 196,  
No 6, Feb 1971, pp 1329-1330.  
Am Inst of Phys  
Vol 16, No 2, Aug 1971

Sept 71

Effect of a Constant Magnetic Field on Cavitation  
Erosion in an Electrically Conducting Liquid, by  
R. G. Perel'man.  
RUSSIAN, per, Dok Ak Nauk SSSR, Sov Phys, Vol 196,  
No 6, Feb 1971, pp 1331-1332.  
An Inst of Phys  
Vol 16, No 2, Aug 1971

Sept 71

Some Results From a Synchronous Satellite  
and Ground Geophysical, by A. A. Buznikov.  
RUSSIAN, per, Dok Ak Nauk SSSR, Earth Sci.,  
Vol 196, No 6, 1971, pp 1333-1336.

AGI

QPRS 53895

FTD - MS - 24 - 71 - 1973

Feb 72

NASA - TTF - 13,894

NTC 75 - 10349 - 0812

Crystal Structure of the Synthetic Barium Silicate  
 $Ba_4 Si_6 O_{16}$ . A New Strip-Like Silicon-Oxygen  
Radical  $[Si_6 O_{16}]^-$ , by O. S. Filipenko.  
RUSSIAN, per, Dok Ak Nauk SSSR, Sov Phys, Vol 196,  
No 6, Feb 1971, pp 1337-1340.  
Am Inst of Phys  
Vol 16, No 2 Aug 1971

Sept 71

Mechanism of the Corrosion of Metals in a Two-Phase  
Electrolyte - Hydrocarbon System, by I. L. Rozenfel'd.  
RUSSIAN, per, Dok Ak Nauk SSSR, Phys Chem., Vol 196,  
No 6, 1971, pp 1379-1382.

CB

Nov 71

Gamma-Resonance Spectra of Coordination Compounds  
of Iron With Thio - and Selenosemicarbazones, by  
K. I. Turta.  
RUSSIAN, per, Dok Ak Nauk SSSR, Phys Chem., Vol 196,  
No 6, 1971, pp 1383-1386.  
CB

Nov 71

Free Surface Energy of a Platinum Electrode as  
Function of Potential and Solution Composition,  
by A. N. Frumkin.  
RUSSIAN, per, Dok Ak Nauk SSSR, Phys Chem., Vol 196,  
No 6, 1971, pp 1387-1390.  
CB

Nov 71

Isosteric Heats of Adsorption of  $\text{CO}_2$  and  $\text{NH}_3$  on  
Type L Synthetic Zeolites, by S. S. Khvoshchev.  
RUSSIAN, per, Dok Ak Nauk SSSR, Phys Chem., Vol 196,  
No 4, 1971, pp 1391-1394.  
CB

Nov 71

Interconnection Between Processes of Capillary  
Impregnation and Diffusional Extraction of Surface-  
Active Substances From Porous Materials, by  
M. A. Al'tshuler.  
RUSSIAN, per, Dok Ak Nauk SSSR, Chem Tech., Vol. 196,  
No 6, Feb 1971, pp 1395-1397.  
CB

Jan 72

Stabilization of Latex Films, by Ye. I. Krayushkina.  
RUSSIAN, per, Dok Ak Nauk SSSR, Chem Tech., Vol 196,  
No 6, Jan 1971, pp 1398-1399.  
CB

Jan 72

A Study of the Kinetics of Chemical Reactions During  
Extraction the Case of Two Slow Reactions, by  
V. V. Fomin.  
RUSSIAN, per, Dok Ak Nauk SSSR, Chem Tech., Vol 190,  
No 6, Feb 1971, pp 1400-1402.  
CB

Jan 72

Ufimian Stage of the West Timan Region,  
by G. D. Budanov.  
RUSSIAN, per, Dok Ak Nauk SSSR, Earth Sci.,  
Vol 196, No 6, 1971, pp 1403-1406.  
AGI

Feb 72

New Genetic Type of Tin Placers in  
Northeastern Yakutia, by  
L. Z. Bykhovskiy.  
RUSSIAN, per, Dok Ak Nauk SSSR, Earth Sci.,  
Vol 196, No 6, 1971, pp 1407-1409.  
MGI

Feb 72

Cyclic Bedding of Bakal Ironstones of  
the southern Urals, by I. P. Druzhinin.  
RUSSIAN, per, Dok Ak Nauk SSSR, Ear. Sci.,  
Vol 196, No 6, 1971, pp 1410-1413.  
AGI

Feb 72

Age of the Gurovo Clay of the Volga-  
Khopor Interfluvium as determined  
Paleontologically, by Yu. I. Iosifova.  
RUSSIAN, per, Dok Ak Nauk SSSR, Earth Sci.,  
Vol 196, No 6, 1971, pp 1414-1417.  
AGI

Feb 72

Age of Nickel-Cobalt Mineralization  
of the Khovu Aksy Deposit, Tuva, by  
A. V. Kondrat'yev.  
RUSSIAN, per, Dok Ak Nauk SSSR, Earth Sci.,  
Vol 196, No 6, 1971, pp 1418-1421.  
AGI

Feb 72

New Geothermal Data for the south  
Mangyshlak Downwarp and Prediction of  
the Distribution Pattern of Petroleum  
Deposits from them, by V. N. Kertsenshteyn  
RUSSIAN, per, Dok Ak Nauk SSSR, Earth Sci.,  
Vol 196, No 6, 1971, pp 1422-1425.  
AGI

Feb 72

Early Senonian Flora of the Northeast  
Aral Region and South-Central  
Kazakhstan, by P. V. Shilin.  
RUSSIAN, per, Dok Ak Nauk SSSR, Ear Sci.,  
Vol 196, No 6, 1971, pp 1426-1429.  
AGI

Feb 72

Placers of Wave-Reworked Layers and  
Their Genetic Features, by  
Yu. D. Shuysskiy.  
RUSSIAN, per, Dok Ak Nauk SSSR, Ear Sci.,  
Vol 196, No 6, 1971, pp 1430-1433.  
AGI

Feb 72

Mechanisms of Vigorous Hydrolytic  
Decomposition of Aluminosilicates  
in the Weathered Mantle, by  
I. G. Ganeyev.

RUSSIAN, per, Dok Ak Nauk SSSR, Ear Sci.,  
Vol 196, No 6, 1971, pp 1434-1437.  
AGI

Feb 72

Isoalkane/N-Alkane Ratio in the Gasoline  
(Benzine) Fraction Derived From Upper  
Proterozoic and Cambrian Oils of Siberia  
and the Southern Baltic Region, by  
I. B. Kulabakina.  
RUSSIAN, per, Dok Ak Nauk SSSR, Earth Sci.,  
Vol 196, No 6, 1971, pp 1438-1440.  
AGI

Feb 72

Trace-Element Concentrations in Titanomagnetite and Magnetite From Magmatic, Contact-Metasomatic and Hydrothermal Deposits of Different Types, by L. F. Borisenko.

RUSSIAN, per, Dok Ak Nauk SSSR, Ear Sci., Vol 196, No 6, 1971, pp 1441-1444.  
AGI

Feb 72

Rare Earths in Zircon From Miaskite,  
by A. P. Khomyakov.  
RUSSIAN, per, Dok Ak Nauk SSSR, Ear Sci.,  
Vol 196, No 6, 1971, pp 1445-1447.  
IAGI

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